

Abstract:

Electronic Control System for a Vehicle and Method for
Determining at Least one Driver-Independent Intervention in a
Vehicle System

The invention relates to a method for determining at least one, preferably however several driver-independent interventions in a vehicle system, using a risk calculator, whose input is supplied with predetermined vehicle data, ambience data, current vehicle and driver data, occupant data or data of persons outside the vehicle, or similar data. The risk calculator issues an evaluation of the risk situation of the vehicle and its occupants or the persons outside the vehicle based on said data and, in accordance with the evaluation and optional additional criteria or weightings, outputs driving signals controlling actuators that modify or trigger the driving behavior of the vehicle and/or the occupant protection system and/or protection means for other traffic participants (pedestrians, cyclists, etc.) in such a way that maximum protection is obtained for the persons and the vehicle according to a priority control.

(Figure 1)